

## *Naval Surface Warfare Center Crane Division*

*Advance Planning Briefings for Industry*

A large blue diamond shape with a white border is centered on the slide. Inside the diamond, the text "APBI 2011" is written in a large, white, sans-serif font. The diamond is superimposed over a square frame containing four images: a submarine on the left, a missile launch on the top right, a naval ship on the bottom left, and a fighter jet on the bottom right.

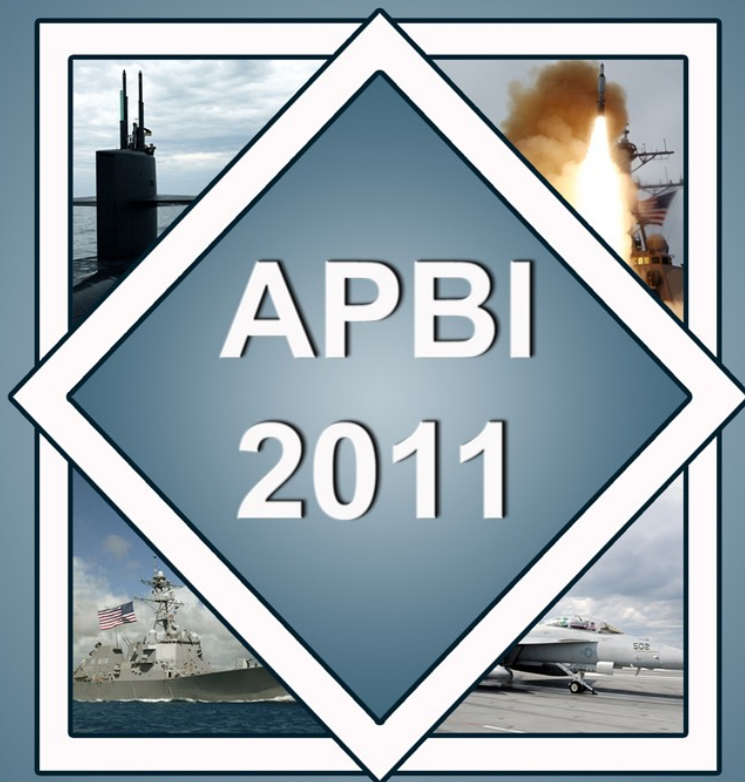
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*"Warfighter Success - Supporting the Warfighter"*



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# Crane of the Future: A VITAL ENTERPRISE

**29 MAR  
2011**

**Patricia  
Herndon**

- **Warfare center for:**
  - Applied science and life cycle systems engineering.
    - Electronic Warfare/Information Operations (EW/IO)
      - Control and utilize the electromagnetic spectrum supporting military and national security requirements.
    - Special Missions (SpM)
      - Equip elite warriors for the combat environment.
    - Strategic Missions (StM)
      - Alter an adversary's will and ability to attack the U.S. and its interests.
- **Execution focused:**
  - Applying rigor and discipline to engineering and business processes
    - Flawless execution of workload
    - Innovative "real world" solution provider
    - Preferred employer
    - Quality products
    - High customer satisfaction rating
    - Dedicated to continuous improvement
- **Strategic focused:**
  - Cultivating partnerships and relationships to expand our capabilities to meet war fighter and national security demands.
  - Maintaining a technical advantage to provide leading edge technical solutions.

# Where are we going.....

- **Enterprise of choice for:**
  - Nationally serving customers as a strategic partner to provide innovative solutions to national security requirements and gaps.
    - Partnering with other government agencies, industry, academia and state and local government.
    - Expanding our technical capabilities to provide viable innovative lifecycle solutions in the areas of EW/IO, StM and SpM.
    - Rapidly developing world class solutions utilizing a structured repeatable systems approach.



# How Do We Get There?

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- **Key is “WE”**
  - Engaging government agencies, industry, academia, state and local government, and surrounding communities.
    - MOU/MOA, Memorandum of Understanding/Agreement
    - PIA, Partnership Intermediary Agreements
    - WWPP, Work With Private Party
    - TT, Technology Transfers
    - SBIR, Small Business Innovative Research
    - STEM Programs and School Partnerships
    - Formal Contracts/Purchase Orders
  - Working together as an enterprise to meet challenges and provide solutions.
    - Technical
    - Fiscal
    - Capacity
    - Workforce



# Technical Challenges

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- **National security landscape will continue to grow in complexity and uncertainty.**
  - Pace of change continues to accelerate.
  - Joint forces will be required to function and succeed in a seamless integrated operational environment.
  - Anticipate gaps and rapidly deploy tested solutions.
    - Transition innovative concepts to field solutions.
    - Operational test/training environments.
      - Partnering with Indiana National Guard
        - » Camp Atterbury/Muscatatuck Urban Training Center
        - » Hulman Air Field
      - NSWC Crane, Glendora Lake Test Facility
    - High speed/secure data transmission requirements.
      - Across Crane, National Guard, Industry and Academia

# Fiscal Challenges

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- **Defense budgets will continue to decline.**
- **Together we will provide efficient and cost effective solutions.**
  - Collaborate with the state to provide a cost effective environment for industry and academia.
    - State of Indiana Defense and National Security Vertical (Defense Pillar)
      - Supporting all industry, academia and infrastructures.
    - Radius Indiana
      - Regional economical development organization across south central Indiana.
  - Innovative cost effective material solutions that can be utilized jointly.
  - Low cost, supportable solutions with an open architecture that can be upgraded, modified and modular.
  - Innovate structured processes to develop world class solutions.
  - Employee state of the art continuous process improvement.

# Capacity Challenges

- **NSWC Crane civilian workforce cannot meet demand alone!**
  - Demand across our current customer base and technical capabilities continues to increase.
  - National security requirements are ever increasing and becoming more complex.
- **Laboratory and secured workspace requirements are increasing.**
  - More workload than NSA/NSWC facilities can accommodate.





# Workforce Challenges

- **Demand for highly technical workforce continues to grow.**
  - Partner with local schools to engage children at a young age in science, technology, engineering and mathematics.
    - Federal grant money to assist in educating our children.
    - STEM coordinator at NSWC Crane.
  - Partner with Universities.
    - Research programs
    - Training/higher education of workforce
    - Student work programs
- **Essential that “WE” maintain a highly talented pipeline to support both government and industry human capital requirements.**



# We Can!

- No challenge is too great to overcome.
- Together as an enterprise **WE CAN** do great things.
- The future is near....

**Enterprise of choice  
for  
providing innovative  
solutions to meet  
national security  
requirements and  
gaps!**



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